ISSUE SLIP STAPLE AREA (for additional cross-references)

ISSUING CLASSIFICATION

ORIGINAL

CROSS REFERENCE(S)

CLASS

SUBCLASS (ONE SUBCLASS PER BLOCK)

INTERNATIONAL

CLASSIFICATION

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//

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INDEX OF CLAIMS

Rejected - (Through numeral)

Canosled Restricted

Restricted | Non-elected A A Appeal

Interference O O Objected

Claim Date

Claim Date

Claim Date

是一种

四、上面,可以是一种的一种,

| =  |     |          | 4        |               | •••••    | Rejected - (Through n |          |          |          |                 |              |          | Restr    | eled N       |          |                       |                 | Int           | nterference |                    | A  | ••••• |            | . Ot     | lect               | ed       |              |          |          |           |          |       |
|----|-----|----------|----------|---------------|----------|-----------------------|----------|----------|----------|-----------------|--------------|----------|----------|--------------|----------|-----------------------|-----------------|---------------|-------------|--------------------|----|-------|------------|----------|--------------------|----------|--------------|----------|----------|-----------|----------|-------|
| ŀ  | aiı | n        | 120      |               |          | Date                  |          |          |          |                 |              | Claim    |          |              |          |                       | Date            |               |             |                    |    | aim   |            |          |                    | Date     |              |          |          | _         | 1        |       |
| _  | 1   |          | کرلاز    | 2)            | Γ        | Г                     | Γ        | T        | Τ        |                 |              |          |          |              | T        |                       |                 |               |             | П                  |    |       |            |          | Τ                  | Γ        | Γ            | Τ        | Γ        | Γ         | Γ        |       |
| ļ  | - 1 |          | 30/8     | 73            |          |                       |          |          |          |                 | $ \cdot $    | Final    | Original |              |          |                       |                 |               | , ·         |                    |    | Final | Original   |          |                    |          |              |          |          |           | -        |       |
| ÷  | ť   | Ŋ        | /08/10   | 63            | L        | L                     | L        | L        | L        | L               |              | <u></u>  |          |              | 1_       | <u>  _</u>            |                 | ╽             | l _         |                    |    |       | ō          |          |                    |          |              | 1        |          | ļ         |          |       |
| _  | 1   | Ц        | Y        |               |          |                       | L        | Ŀ        | L        |                 |              |          | 51       |              | oxdot    |                       |                 |               |             |                    |    |       | 101        | $\Box$   | I                  |          |              |          | 3        |           | 匚        | 1     |
|    | 1   | Ł        | V        |               | L        | L                     | L        | L        | L        | L               |              | L        | 52       |              | $\Box$   |                       |                 |               |             |                    |    |       | 102        |          | $\mathbf{I}_{-}$   |          | Ŀ            |          |          |           |          | 1. ;, |
| _  | 1   | Ц        | <        | <u> </u>      | L        | L                     | L        | L        | L        |                 |              | L        | 53       |              | $\Gamma$ |                       |                 |               |             |                    | ]  |       | 103        |          | L                  |          |              |          |          |           |          |       |
| _  | Ŀ   | Ц        | 4        | L             | L        | L                     | L        | 丄        | L        | $\perp$         | Ц            | L        | 5        |              | L        |                       |                 |               |             |                    |    |       | 104        |          | L                  |          |              |          |          |           |          | ,     |
| _  | -   | Ц        | 4        | L             | L        | L                     | L        | 丄        | 丄        | Ц               | Ц            | L        | 55       |              | L        | L                     | Ш               |               |             |                    |    |       | 105        |          | $\mathbf{L}$       |          |              |          |          |           |          |       |
|    | Ц   | Ц        | 4        | L.            | L        | ᆫ                     | L        | 上        | 丄        | Ц               | Ц            | i Li     | 56       |              | L        | Ц                     | Ŀ               | Ш             | Ш           |                    |    |       | 106        |          | L                  | L        | 匚            |          |          |           |          | 2 -   |
| _  | Ц   | Ц        | 1        | L             | L        | L                     | L        | ↓_       | 丨        | Ц               | Ц            | L        | 57       | <b>!-</b>  - | 上        | Ц                     | Ц               | Щ             | Ш           |                    |    | Ш     | 107        | $\Box$   | L                  | L        | L            |          |          |           |          |       |
| _  | Ц   | Ц        | 4        | Ш             | L        | L                     | Ļ        | ╙        | ╄        | Ц               |              | -        | 58       |              | 丄        | Ц                     |                 | Ш             | Ш           | $oldsymbol{\perp}$ | _  |       | 108        |          |                    | 匚        | L            |          | Ц        | Ц         |          |       |
| _  | Ļ   | Ц        |          |               | L        | L                     | _        | ┖        | 1        | Ц               | Н            | $\vdash$ | 88       |              | 丄        | Щ                     | Ц               | Щ             |             | 4                  |    |       | 109        | $\perp$  | 1                  | L        | L            | Ŀ        |          | 1         | Ц        | 52    |
| _  |     | P        | 4        |               |          |                       |          |          |          |                 |              | <u>_</u> | 60       | 4            | 1        | Щ                     | Щ               |               | <b>_</b>    | 1                  | 4  |       | 110        |          | -                  |          |              |          | 1        |           |          |       |
| _  |     |          | ¥        |               | <u> </u> | ļ_                    | 匚        | <u> </u> | ↓_       | Щ               | Н            | $\vdash$ | 61       | $\vdash$     | <b> </b> | Щ                     | Ц               | 1             |             | _                  | ٦. |       | 111        |          | $\perp$            |          |              | Ш        | Ц        |           | Щ        | 19    |
| -  |     | Ę        | 4        | . ,           | <u> </u> | <u> </u>              | L        | ┞        | ┡        | Н               | Н            | $\vdash$ | 62       | -            | 1        | Н                     | Н               |               | _           | $\perp$            | 4  |       | 112        | $\dashv$ | ↓_                 | 乚        | $oxed{oxed}$ | Щ        | Ц        | Щ         | Ļ.       |       |
| í. | 1   | 4        | -        | ~             | $\vdash$ | Щ                     | L        | ┞        | ↓_       | Щ               | Н            | -        | 63<br>64 | -            | ₩        | - 1                   | 1               | 1.0           | -           | _                  | 4  |       | 113        | *-       | 1                  | Ŀ        | 1.5          | 1.5      | 5        | A.        | 12.0     | 100   |
| _  | H   |          | -1       | +             | -        | H                     | L        | ┞        | $\vdash$ | Н               | H            | -        | 65       | -            | ╀        | <u> </u>              | Н               | $\vdash$      |             | _                  | 4  |       | 114        | -        | ╀                  | L        | Ŀ            |          | إنا      |           | ~        |       |
| _  | _   | <u>위</u> | $\dashv$ | +             | -        | Н                     | L        | ⊢        | -        | Н               | H            | $\vdash$ | 66       | +            | ╀╌       | Н                     | ┝╌┥             | 4             | $\dashv$    | -                  | 4  |       | 115        | -        | ╀                  | Ŀ        |              | Щ        | -3"      | · ~       | ٠.       | 1     |
| _  | 1   |          | -        | +             | <u> </u> | <u> </u>              | -        | ⊢        | ⊢        | $\vdash$        | $\vdash$     | <b> </b> | 67       |              | Щ        | H                     | -               | $\vdash$      | $\dashv$    | $\dashv$           | 4  |       | 116        |          | ╀                  | Щ        | $\square$    | Ш        | ب        |           | Щ        | :     |
| _  | 1   | _1       | 4        | +             | _        | H                     | -        | ⊢        | <b>├</b> | Н               | H            | $\vdash$ | 68       |              | ₩        | Н                     | $\vdash$        | $\vdash$      | $\dashv$    | -                  | 4  |       | 117        | +        | Ļ,                 |          | ш            |          | -2       | $\vdash$  | Н        |       |
| _  |     | 읽        | -1       | +             | Ļ.       | _                     | L        | ⊢        | ┦        | Н               |              | -        | 69       | $+\!\!\!\!-$ | ┦        | Н                     | $\vdash$        | -             |             | -                  | 4  |       | 118        | +        | ↓_                 | L_       | Ш            |          | Щ        | Н         | Ц        | 1 -   |
| _  | 2   | - 1      | -1       | $\mathcal{H}$ | ,        | Н                     | -        | ├        | H        | $\vdash$        | $\dashv$     | $\vdash$ |          | +            | ₩        | Н                     | -               | -             | $\dashv$    | +                  | 4  |       | 119        | -        | $\bot$             | Щ        |              | Щ        |          | Н         | ٤.       |       |
| _  | 2   | _        | -        | +             | _        | $\vdash$              | <u> </u> | ├-       | <b> </b> | ┝╌┥             | $\dashv$     | -        | 70       | +            | $\vdash$ | H                     | $\vdash$        | -             |             | +                  | 4  | -     | 120        | 4        | ↓_                 | Щ        |              |          | Ш        | Н         | <u> </u> |       |
| _' | _   | _        | 4        | 1             | _        | Щ                     | $\vdash$ | ┡        | $\vdash$ | $\vdash$        | $\dashv$     | <b> </b> | 71       |              | لـــا    | Н                     | Щ               | $\dashv$      | _           | -                  | 4  |       | 121        | -        | <b> </b>           | _        | _            | Щ        | Щ        |           | Ш        | l .   |
| =  | 2   | -        | 4        | V             | _        | Щ                     | L        | Щ        | $\vdash$ | $\vdash$        | $\dashv$     | <u> </u> | 72       |              | Н        | Н                     | <b>  </b>       | -             | $\dashv$    |                    | 4  |       | 122        | -        | 1                  | L        |              | Ш        | Щ        | Щ         | Ц        | 1 :   |
| _  | 2   |          | 4        |               | ļ.,      | Щ                     | L        | $\sqcup$ | Н        | $\vdash$        | $\dashv$     | <u> </u> | 73<br>74 |              | $\sqcup$ | Н                     | Н               | $\dashv$      | $\dashv$    | -                  | 4  |       | 123        | 4        | 1_                 | _        | _            |          | 44       |           | H        | m     |
|    | 2   |          | 4        | $\dashv$      | _        | Щ                     | <u> </u> | <u> </u> | $\vdash$ | Н               | $\dashv$     | $\vdash$ | 75       | _            | Н        | Н                     |                 | -             | -           | +                  | 4  |       | 124        |          | $oldsymbol{\perp}$ | _        | ت            | ت        | Ш        | H         | ۲        |       |
| _  | 2   |          | 4        | $\dashv$      | -        | <u> </u>              | <u> </u> | ⊢        | Н        | Н               | $\dashv$     |          | 76       | 1111         | -        | -                     |                 | $\rightarrow$ | -           | -                  | 4  | L     | 125        | -        | ╄                  |          | <b> </b>     | Ш        | 7.       | Н         | Н        | ١     |
| _  | 2   |          | -        |               |          | Н                     | Щ        | <u> </u> | H        | Н               | $\dashv$     | $\vdash$ |          | -            | $\vdash$ | $\vdash$              | $\vdash$        | $\dashv$      | -4          | +                  | 4  |       | 126        | +        | 4                  | Ш        | Ш            | _        | Щ        | Н         | ш        | 1.7   |
| _  | 12  |          | -1       |               | _        | Н                     | <u> </u> | <u> </u> | $\vdash$ | Н               | $\dashv$     | -        | 77       | +            | Н        | $\vdash$              | $\vdash \vdash$ | $\dashv$      | $\dashv$    | +                  | 4  |       | 127        | -        | -                  | Щ        | Ш            | Н        |          | $\vdash$  | Н        | 1     |
| _  | 12  |          | 4        | -             | _        | Н                     | _        | $\vdash$ | Н        | H               | $\dashv$     | $\vdash$ | 78<br>79 | +            | ┦        | -                     | Н               | -             |             | +                  | 4  |       | 128        | +        | +-                 | L        | ш            | Н        | Н        |           | -        | 1     |
| _  | 3   | _        |          |               | _        | Н                     | H        | $\vdash$ | $\vdash$ | Н               | $\dashv$     |          | 80       | +            | $\vdash$ | $\vdash$              |                 | $\dashv$      |             | -4-                | 4  |       | 129        | - -      | $\vdash$           | Щ        | Н            | Н        |          |           | Н        | . 33  |
| _  | 3   |          | -        | -             | _        | Н                     | H        | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$     | <b> </b> | 81       | -            | Н        | $\boldsymbol{\vdash}$ |                 | -+            | $\dashv$    | +                  | 4  | -     | 130        |          | ـ                  | Щ        | Щ            | Н        | Н        | $\dashv$  | Н        | Ι.    |
| _  | 13  | _        | -        | _             | _        | Н                     | Щ        | Н        | Н        | $\vdash$        | $\dashv$     | $\vdash$ | 82       | +            | ┦        | $\vdash$              | -               | $\dashv$      |             | -                  | 4  |       | 131        | +        | $\vdash$           | Щ        | H            | Щ        | Н        | -         | Н        |       |
| _  | 3   | - 1      | -        | -             | _        | Н                     | Н        | -        | ┢┷┤      | $\vdash$        | $\dashv$     | -        | 83       | +            | ⊢        | $\vdash$              | $\dashv$        | $\dashv$      | -           | +                  | 4  |       | 132        | -        | ╀                  | Щ        | Н            | Н        | $\vdash$ | $\dashv$  | ┝┥       | ١.    |
| _  | 3   | _        | 4        | _             | _        | -                     | L        | $\vdash$ | Н        | $\vdash$        | $\dashv$     | $\vdash$ | 84       |              | $\vdash$ | $\vdash$              | $\dashv$        | -+            | -           | +                  | 4  |       | 133<br>134 | +        | 4                  | Н        | Н            | Щ        | $\vdash$ | -         | Н        | i     |
| '  | 3   | _        | -        |               |          | Н                     | L        | -        | H        | Н               | $\dashv$     | $\vdash$ | 85       | +            | $\vdash$ | $\vdash$              | $\vdash$        | $\dashv$      | -1          | +                  | 4  |       | 134        | +        | +                  | Ь.       |              | H        |          | <u></u>   | Н        | ,     |
| _  | 3   | _        | -        | -             | _        | Н                     |          | Н        | Н        | $\vdash$        |              | $\vdash$ | 86       |              | ⊣        | H                     | $\dashv$        | $\dashv$      |             | +                  | 4  | -     | 136        | +        | Н                  | Н        | Н            | Н        | Н        | $\dashv$  | Н        |       |
| _  | 3   |          | 4        | -             |          | -                     | Н        | Н        | Н        | H               | $\dashv$     |          | 87       |              | Н        | $\vdash$              | -4              | -             | -           | +                  | 4  |       | 137        | -        | ₩                  |          |              |          | $\dashv$ | $\dot{-}$ | H        |       |
| -  | 3   | _        | 4        | _             |          |                       | Н        | Н        | Н        | Н               | $\dashv$     | ٦        | 88       |              | ₩        | ⊢┥                    | $\vdash$        | -+            |             | -                  | 4  |       | 138        | _        | -                  |          |              | -        | 4        | -         |          |       |
| _  | 3   |          | $\dashv$ | -             | _        | -                     | Н        | $\vdash$ | Н        | $\vdash$        | $\dashv$     | -        | 89       | —            |          | $\vdash$              | H               | $\dashv$      | -           | +                  | 4  | 1     | 139        | -        | -                  |          | •            | 2        | .3       | 4         | 4        | 20    |
| _  | 4   | _        | -        | _             | _        | Н                     | -        | Н        | Н        | $\vdash$        | $\mathbf{H}$ | $\vdash$ | 90       | -            | Н        | $\vdash$              |                 | +             |             | +                  | 4  |       |            | +        | ١.,                | Щ        | $\vdash$     | Н        |          | 4         |          | 4     |
| _  | 4   | _        | $\dashv$ | -             | -        | Н                     | Н        | $\vdash$ | Н        | ┝╼╂             | -            |          | 91       | $\dashv$     | Н        | $\vdash$              |                 | $\dashv$      | $\dashv$    | +                  | 4  |       | 140<br>141 | -        | $\vdash$           | Н        | $\vdash$     |          |          | 4         | 100      | ١.    |
| _  | _   | 2        | -1       | -             | _        | Н                     | Н        | Н        | $\vdash$ | $\dashv$        | $\dashv$     | $\vdash$ | 91       | +            |          |                       | $\vdash$        | +             | -+          | +                  | 4  |       | 141        | +        | $\vdash$           | Н        | Щ            | -        |          | -1        | -        | 1     |
|    | 4   |          | $\dashv$ | -             |          | Н                     | H        | $\vdash$ | $\vdash$ | H               | $\dashv$     | -        | 93       |              | Н        | Н                     | $\dashv$        | $\dashv$      | $\dashv$    | -                  | 4  |       | 143        | +        | ╀┤                 | -        | Н            | $\vdash$ |          | $\dashv$  | $\dashv$ | No.   |
| _  | 14  |          | -        |               |          | Н                     | Н        | Щ        | H        | ⊢               | $\dashv$     | -        | 94       | +            | Н        | $\vdash$              | $\dashv$        | $\dashv$      | -           |                    | 4  |       | 144        | +        | ┰                  |          | $\vdash$     | $\dashv$ | -        |           | $\dashv$ |       |
| _' | 4   |          | 4        |               | -75      |                       | -        | $\vdash$ | Н        | Н               | $\dashv$     | $\vdash$ | 95       | +            | ┰        | $\vdash$              | -               | $\dashv$      | 4           | $\dashv$           | -  |       | 145        | +        | $\vdash$           |          |              | $\vdash$ |          | -1        |          | 4     |
| _  | 4   |          | 4        | -             | _        |                       |          |          |          | Н               | $\dashv$     | $\vdash$ | 96       | —            | H        | $\vdash$              | -               | 4             | -1          | -                  | 4  | 1 1   |            | +-       |                    |          |              | 12       | ٠,٧      | ひで        | H        | 7.    |
| _  | 4   |          | 4        | -             | _        | _                     | -        | Н        | Н        | Н               | _            | $\vdash$ |          | -            | Н        | $\dashv$              | -4              | 4             | 4           | -                  | 4  |       | 146        |          | -                  | _        | $\dashv$     | $\vdash$ | -        | 4         | 4        | ı     |
| J  | 1   | _        |          | 4             |          | Щ                     | Н        | Н        | Н        | $\vdash \vdash$ | $\dashv$     | $\vdash$ | 97       |              | ш        | $\vdash$              | $\dashv$        | $\dashv$      | 4           | +                  | 4  |       | 147        | -        | Н                  |          | $\dashv$     | Щ        | <u></u>  | 4         | ↲        | 1     |
| _  | 4   |          | 4        | 4             |          | Н                     | H        | Ш        | Н        | $\vdash$        | $\dashv$     |          | 98       | -            | $\vdash$ | $\dashv$              | -               | -+            | 4           | +                  | 4  |       | 148        |          | Н                  | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | 4         | $\dashv$ | ı     |
| _  |     |          | 4        | 4             | 4        | Ц                     | Ц        | Н        | Н        | ┝╼┩             | $\dashv$     |          | 99       | —            | Н        | $\dashv$              | _               | _             | 4           | -                  | 4  |       | 149        |          | $\sqcup$           |          | <b>—</b>     |          | 4        | 4         | 4        |       |
|    | 5   | ٧ŀ       | ı        | Ł             |          |                       |          | j        | 1        | 1               | - 1          | 1 1      | 100      |              | ıI       | . 1                   | . 1             | - 1           | - 1         | 1                  | 1  | 1 1   | 150        | - 1      | 1 1                |          |              |          |          | ı         |          |       |